



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

D5076-3

Job Sheet 200176



Part No: D5076-3

Job Qty: 6 pcs

DAS  
21  
8-08

Part Name: Bracket



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/9/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 10/7/19

Type: Stock

Description:

Note: D5076 REV.B IPP REV:A 14.04.02 NEW ISSUE DD VERF:JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation           | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off   |
|-------|---------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|------------|
|       |                     |       |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |            |
| 100   | Waterjet - Flow - 1 | 6 pcs |            | 10/7/19  | 0.17      | 0.73    | Waterjet - Flow       |           | 2/19/09/27 |
| 110   | QC 2                | 6 pcs |            | 10/7/19  | 0.00      | 0.00    | QC 2 - 1              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 12             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 14             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 17             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 19             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 2              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 20             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 22             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 23             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 25             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 32             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 33             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 35             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 39             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 4              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 40             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 44             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 45             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 48             |           | 2/19/09/27 |
|       |                     |       |            |          |           |         | QC 2 - 49             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 50             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 51             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 52             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 57             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 62             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 63             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 8              |           |            |
|       |                     |       |            |          |           |         | QC 2 - 66             |           |            |
|       |                     |       |            |          |           |         | QC 2 - 64             |           |            |

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|                                   |          |         |           |                             |  |
|-----------------------------------|----------|---------|-----------|-----------------------------|--|
| 120 QC 8                          | 6<br>pcs | 10/7/19 | 0.00 0.00 | QC 2 - 65                   |  |
|                                   |          |         |           | QC 2 - 5                    |  |
|                                   |          |         |           | QC 2 - 71                   |  |
|                                   |          |         |           | QC 2 - 73                   |  |
|                                   |          |         |           | QC 2 - 69                   |  |
|                                   |          |         |           | QC 8 - 12                   |  |
|                                   |          |         |           | QC 8 - 14                   |  |
|                                   |          |         |           | QC 8 - 17                   |  |
|                                   |          |         |           | QC 8 - 20                   |  |
|                                   |          |         |           | QC 8 - 25                   |  |
|                                   |          |         |           | QC 8 - 3                    |  |
|                                   |          |         |           | QC 8 - 32                   |  |
|                                   |          |         |           | QC 8 - 33                   |  |
|                                   |          |         |           | QC 8 - 35                   |  |
|                                   |          |         |           | QC 8 - 39                   |  |
|                                   |          |         |           | QC 8 - 4                    |  |
|                                   |          |         |           | QC 8 - 44                   |  |
|                                   |          |         |           | QC 8 - 45                   |  |
|                                   |          |         |           | QC 8 - 49                   |  |
|                                   |          |         |           | QC 8 - 58                   |  |
|                                   |          |         |           | QC 8 - 8                    |  |
|                                   |          |         |           | QC 8 - 9                    |  |
|                                   |          |         |           | QC 8 - 68                   |  |
|                                   |          |         |           | QC 8 - 67                   |  |
|                                   |          |         |           | QC 8 - 1 (A)                |  |
|                                   |          |         |           | QC 8 - 47                   |  |
|                                   |          |         |           | QC 8 - 40                   |  |
|                                   |          |         |           | QC 8 - 52                   |  |
|                                   |          |         |           | QC 8 - 23                   |  |
|                                   |          |         |           | QC 8 - 57                   |  |
| 130 Small Fab - Brake NC - B4B    | 6<br>pcs | 10/7/19 | 0.25 0.74 | Small Fab - Brake - 1 - B4B |  |
|                                   |          |         |           | Small Fab - Brake - 2 - B4B |  |
|                                   |          |         |           | Small Fab - Brake - 3 - B4B |  |
| 140 QC 5                          | 6<br>pcs | 10/7/19 | 0.00 0.00 | QC 5 - 10                   |  |
|                                   |          |         |           | QC 5 - 12                   |  |
|                                   |          |         |           | QC 5 - 17                   |  |
|                                   |          |         |           | QC 5 - 18                   |  |
|                                   |          |         |           | QC 5 - 19                   |  |
|                                   |          |         |           | QC 5 - 22                   |  |
|                                   |          |         |           | QC 5 - 24                   |  |
|                                   |          |         |           | QC 5 - 3                    |  |
|                                   |          |         |           | QC 5 - 43                   |  |
|                                   |          |         |           | QC 5 - 49                   |  |
|                                   |          |         |           | QC 5 - 51                   |  |
|                                   |          |         |           | QC 5 - 58                   |  |
|                                   |          |         |           | QC 5 - 68                   |  |
|                                   |          |         |           | QC 5 - 9                    |  |
|                                   |          |         |           | QC 5 - 50                   |  |
|                                   |          |         |           | QC 5 - 30                   |  |
|                                   |          |         |           | QC 5 - 40                   |  |
|                                   |          |         |           | QC 5 - 61                   |  |
|                                   |          |         |           | QC 5 - 81                   |  |
| 150 Handfinish - 1-1 Chemical-B4B | 6<br>pcs | 10/7/19 | 0.00 0.51 | Handfinish - 1 - 1 - B4B    |  |
|                                   |          |         |           | Handfinish - 1 - 2 - B4B    |  |
|                                   |          |         |           | Handfinish - 1 - 3 - B4B    |  |
|                                   |          |         |           | Handfinish - 1 - 4 - B4B    |  |
|                                   |          |         |           | Handfinish - 1 - 5 - B4B    |  |

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NOV 19 2019

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|     |                             |          |         |                           |                        |
|-----|-----------------------------|----------|---------|---------------------------|------------------------|
|     |                             |          |         | Handfinish - 1 - 6 - B4B  |                        |
|     |                             |          |         | Handfinish - 1 - 7 - B4B  |                        |
|     |                             |          |         | Handfinish - 1 - 8 - B4B  |                        |
|     |                             |          |         | Handfinish - 1 - 9 - B4B  |                        |
|     |                             |          |         | Handfinish - 1 - 10 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 11 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 12 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 13 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 14 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 15 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 16 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 17 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 18 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 19 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 20 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 21 - B4B |                        |
|     |                             |          |         | Handfinish - 1 - 22 - B4B |                        |
| 160 | QC 7                        | 6<br>pcs | 10/7/19 | 0.00 0.00                 | QC 7 - 10              |
|     |                             |          |         |                           | QC 7 - 13              |
|     |                             |          |         |                           | QC 7 - 14              |
|     |                             |          |         |                           | QC 7 - 15              |
|     |                             |          |         |                           | QC 7 - 17              |
|     |                             |          |         |                           | QC 7 - 18              |
|     |                             |          |         |                           | QC 7 - 19              |
|     |                             |          |         |                           | QC 7 - 2               |
|     |                             |          |         |                           | QC 7 - 28              |
|     |                             |          |         |                           | QC 7 - 3               |
|     |                             |          |         |                           | QC 7 - 30              |
|     |                             |          |         |                           | QC 7 - 34              |
|     |                             |          |         |                           | QC 7 - 36              |
|     |                             |          |         |                           | QC 7 - 37              |
|     |                             |          |         |                           | QC 7 - 41              |
|     |                             |          |         |                           | QC 7 - 47              |
|     |                             |          |         |                           | QC 7 - 48              |
|     |                             |          |         |                           | QC 7 - 51              |
|     |                             |          |         |                           | QC 7 - 58              |
|     |                             |          |         |                           | QC 7 - 59              |
|     |                             |          |         |                           | QC 7 - 60              |
|     |                             |          |         |                           | QC 7 - 9               |
|     |                             |          |         |                           | QC 7 - 68              |
|     |                             |          |         |                           | QC 7 - 50              |
|     |                             |          |         |                           | QC 7 - 67              |
|     |                             |          |         |                           | QC 7 - 40              |
|     |                             |          |         |                           | QC 7 - 24              |
|     |                             |          |         |                           | QC 7 - 43              |
|     |                             |          |         |                           | QC 7 - 61              |
|     |                             |          |         |                           | QC 7 - 81              |
| 170 | Packaging 3-1 - Stock - B4B | 6<br>pcs | 10/7/19 | 0.00 0.00                 | Packaging 3 - 1 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 2 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 3 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 4 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 5 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 6 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 7 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 8 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 9 - B4B  |
|     |                             |          |         |                           | Packaging 3 - 10 - B4B |
|     |                             |          |         |                           | Packaging 3 - 11 - B4B |
|     |                             |          |         |                           | Packaging 3 - 12 - B4B |

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------|-------------------------|------------------------|------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 13 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 14 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 15 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 16 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 17 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 18 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 19 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 20 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 21 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 22 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 23 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 24 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 25 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 26 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 27 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 28 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 29 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 30 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 31 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 32 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 33 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 34 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 35 - B4B |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | Packaging 3 - 36 - B4B |      |
| 180 QC 21 - SA                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 6<br>pcs              | 10/7/19             | 0.00 0.00               | QC 21 - SA - 21        | 4AS  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | QC 21 - SA - 70        | 21   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                     |                         | QC 21 - SA - 53        | 0-50 |
| Part Op 100 - 1- Cut as per Dwg Dwg Rev: <u>A</u> Prog Rev: <u>A</u> 2- Deburr<br>Descriptions: 110 - QC2- Inspect parts off machine FAI/FAIB<br>120 - QC8- Inspect parts - second check<br>130 - Form as per dwg<br>140 - QC5- Inspect part completeness to step on W/O<br>150 - Chemical Conversion Coat per QSI005 4.1<br>160 - QC7-Inspect Chemical Conversion Coat<br>170 - Identify as per dwg & Stock Location: _____<br>180 - QC21- Final Inspection - Work Order Release |                       |                     |                         |                        |      |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                     |                         |                        |      |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Component Name</b> | <b>Quantity</b>     | <b>Operation</b>        | <b>Container</b>       |      |
| M6061T6S.040                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 6061-T6 .040 Sheet    | 7.3200 sf (1.22 ea) | 100-Waterjet - Flow - 1 |                        |      |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |                     |                         |                        |      |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Component Part</b> | <b>Required</b>     | <b>Inventory</b>        | <b>Allocated</b>       |      |
| 100-Waterjet - Flow - 1                                                                                                                                                                                                                                                                                                                                                                                                                                                           | M6061T6S.040          | 7                   | 518                     | 0                      |      |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |                     |                         |                        |      |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |                     |                         |                        |      |

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|                              |               |                     |                    |
|------------------------------|---------------|---------------------|--------------------|
| <b>DART AEROSPACE LTD</b>    |               | <b>Work Order:</b>  | 200176             |
| <b>Description:</b> Bracket  |               | <b>Part Number:</b> | D5076-3            |
| <b>Inspection Dwg:</b> D5076 | <b>Rev:</b> A |                     | <b>Page 1 of 1</b> |

[illegible]

|              |                 |             |                    |               |  |
|--------------|-----------------|-------------|--------------------|---------------|--|
| Measured by: | <i>ac</i>       | Checked by: | <i>9-89</i>        | QC Inspector: |  |
| Date:        | <i>19/09/27</i> | Date:       | <i>OCT 03 2019</i> | Date:         |  |

|                                                |  |              |
|------------------------------------------------|--|--------------|
| <b>Engineering Approval:</b><br>(If necessary) |  | <b>Date:</b> |
|------------------------------------------------|--|--------------|

| Rev | Date     | Change    | Revised by | Approved |
|-----|----------|-----------|------------|----------|
| A   | 17.01.31 | New Issue | KJ         |          |



Entered: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. \_\_\_\_\_

Route update only ☐

| Job: _____<br>Part No. _____                                                                                                                                                                                                                                                                                                                                                            |  | DISPOSITION                                                                                                                                                                                                                                                                                                            |  |  | DEPARTMENT/PROCESS  |                                                                                                                                                                                                                                                                                                                              |  | MRB (QS1042)           |  |                                                                                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                                                                                  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Date: _____                                                                                                                                                                                                                                                                                                                                                                             |  | Sequence #: _____                                                                                                                                                                                                                                                                                                      |  |  | QTY Affected: _____ |                                                                                                                                                                                                                                                                                                                              |  | Completed By           |  |                                                                                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                                                                                  |  |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                                                        |  | Disposition                                                                                                                                                                                                                                                                                                            |  |  |                     |                                                                                                                                                                                                                                                                                                                              |  | Lead hand / Supervisor |  |                                                                                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                                                                        |  |  |                     |                                                                                                                                                                                                                                                                                                                              |  | QC / QA Coordinator    |  |                                                                                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                                                                                  |  |
| <b>Root Cause</b><br><br>Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |  | <b>FAULT CATEGORY</b>                                                                                                                                                                                                                                                                                                  |  |  |                     |                                                                                                                                                                                                                                                                                                                              |  |                        |  |                                                                                                                                                                                                                                                                                                        |  |  |  |                                                                                                                                                                                                                                                  |  |
|                                                                                                                                                                                                                                                                                                                                                                                         |  | <input type="checkbox"/> Pressure/Forced<br><input type="checkbox"/> Bending<br><input type="checkbox"/> Crushing<br><input type="checkbox"/> Cracks<br><input type="checkbox"/> Crimp/Kink/Ripple/Wave/Twist<br><input type="checkbox"/> Marks/Chatter<br><input type="checkbox"/> Mislabeled<br>Other/Details: _____ |  |  |                     | <input type="checkbox"/> Contamination<br><input type="checkbox"/> Misaligned/off center<br><input type="checkbox"/> BOM/Route<br><input type="checkbox"/> Broken/Damage/Defect<br><input type="checkbox"/> Incomplete/Unclear Instructions<br><input type="checkbox"/> Drill Holes<br><input type="checkbox"/> Fit/Function |  |                        |  | <input type="checkbox"/> Power Loss/Surge<br><input type="checkbox"/> Folio/Program<br><input type="checkbox"/> Grain Direction<br><input type="checkbox"/> Weld<br><input type="checkbox"/> Wrong Stock Pulled<br><input type="checkbox"/> Out of Sequence<br><input type="checkbox"/> Off-set/Set-up |  |  |  | <input type="checkbox"/> Positioned Wrong<br><input type="checkbox"/> Outside Tolerance<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Finish<br><input type="checkbox"/> Part Lost/Missing<br><input type="checkbox"/> Misread |  |